

  
**भारत का राजपत्र**  
**The Gazette of India**  
 प्राधिकार से प्रकाशित  
 PUBLISHED BY AUTHORITY

सं० 50] नई दिल्ली, शनिवार, दिसम्बर 13, 1980 (अग्रहायण 22, 1902)  
 No. 50] NEW DELHI, SATURDAY, DECEMBER 13, 1980 (AGRAHAYANA 22, 1902)

इस भाग में निम्न पृष्ठ संख्या दी जाती है जिससे कि यह भलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

**भाग III—खण्ड 2**

**[PART III—SECTION 2]**

**पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस**

**[Notifications and Notices issued by the Patent Office relating to Patents and Designs]**

THE PATENT OFFICE  
 PATENTS AND DESIGNS

Calcutta, the 13th December 1980

**CORRIGENDUM**

In the Gazette of India, Part III Sec. 2 dated the 8th November, 1980 under heading "Patents Scaled" delete number 147123.

APPLICATION FOR PATENTS FILED AT THE  
 HEAD OFFICE, 214, ACHARYA JAGDISH BOSE  
 ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section of the Act.

6th November, 1980

1257/Cal/80. Sun Chemical Corporation. Novel reactants for crosslinking textile fabrics.

1258/Cal/80. Bethlehem Steel Corporation. Thermally treated metallic coated ferrous base product having improved ductility and method of making product.

1259/Cal/80. Bethlehem Steel Corporation. Thermally treated metallic coated ferrous base product having improved corrosion resistance and method of making product.

1260/Cal/80. Stauffer Chemical Company. Haloacetamidines and the herbicidal use thereof.

1261/Cal/80. E. I. Du Pont De Nemours and Company. Organic grouting composition for anchoring a bolt in a hole.

10th November 1980

1262/Cal/80. The Air Preheater Company, Inc. Filter bag cleaning system.

11th November 1980

1263/Cal/80. Sociedad Anonima Azucarera Argentina Commercial E Industrial. Process for the obtention of a vitaminic protein supplement.

1264/Cal/80. M. A. N. Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Crankshaft with symmetrical crankthrows.

1265/Cal/80. Great Lakes Carbon Corporation. Production of silicon carbide whiskers.

1266/Cal/80. Asahi Kasei Kogyo Kabushiki Kaisha. Viscose rayon filament yarn and process for producing same.

1267/Cal/80. Hein, Lehmann AG. Device for separating a filler.

12th November 1980

1268/Cal/80. Diamond Shamrock Corporation. An electrolytic-ultrafiltration apparatus and process for recovering solids from a liquid medium.

1269/Cal/80. Mannesmann (nederland) B.V., A method of making a sheet-pile wall and a wall made by said method.

APPLICATIONS FOR PATENTS FILED AT THE  
 PATENT OFFICE BRANCH, TODI ESTATES  
 (3RD FLOOR), LOWER PAREL (WEST),  
 BOMBAY-400 013.

21st October 1980

316/BOM/80. Girdhari Balram Radhakrishnani. Press and read type portable hardness tester.

22nd October 1980

- 317/BOM/80. Ashok Raghunath Sonalkar. Bi-liquid, independent dispensing vessel.
- 318/BOM/80. Hindustan Lever Limited. Process for bleaching naturally occurring oils and fats. (October 25, 1979).
- 319/BOM/80. Eruchsha Nariman Contractor. A design for producing free electrical energy without input of fresh energy.

The 23rd October 1980

- 320/BOM/80. Smt. Nitaben Pardipbhai Shah. Toy aeroplane.

24th October 1980

- 321/BOM/80. Madhav Capacitors Private, Limited. An automatic power factor correction relay.
- 322/BOM/80. Shantaram Bapurao Janorkar. Godavari kalvedh calendar, (International).
- 323/BOM/80. Shankar Gurusiddhappa Pimpale. A process to manufacture phosphated starch.

25th October 1980

- 324/BOM/80. Gopal Moreshwar Paranjpe. A warning device for alerting the driver of vehicle when the speed of the vehicle exceeds a predetermined limits.

APPLICATIONS FOR PATENTS FILED AT THE  
PATENT OFFICE BRANCH, 61, WALLAJAH

ROAD, MADRAS-600002.

27th October 1980

- 193/Mas/80. Indian Institute of Technology. A Draughtsman's drawing board.

29th October 1980

- 194/Mas/80. G. Sidhardhan. Manufacture of a box type shaving razor with provision to hold all soap lather and preventing it from dripping down and enabling a continuous shave and also another provision to trim hair using an ordinary standard double edged razor blade.

30th October 1980

- 195/Mas/80. Raman Research Institute. Improvements in or relating to a process for the preparation of 4-n-ALKYL-4'-Cyano Biphenyls.

5th November 1980

- 196/Mas/80. Mrs. B. Devi. Improvements in or relating to coolers.
- 197/Mas/80. Cori Industries. A process for regeneration of ion exchange resin.
- 198/Mas/80. Kontiki Chemicals and Pharmaceuticals Pvt. Ltd. Improvements in or relating to amino-plastic synthetic resin adhesives.

7th November 1980

- 199/Mas/80. A. V. Khanderia. A device to see the rear view.
- 200/Mas/80. A. V. Khanderia. A novel type of sun shade.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

"A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 116G.

148224.

Int. Cl.-B65G 51/18.

CONDUIT IN COMBINATION WITH PNEUMATIC TRANSPORT SYSTEM.

Applicant: THE BABCOCK & WILCOX COMPANY,  
AT 161 EAST 42ND STREET., NEW YORK, NEW  
YORK 10017, USA.

Inventor: JERALD M. WENNERSTROM.

Application No. 11/Cal/77 filed January 6, 1977.

Appropriate office for opposition Proceedings (Rule 4,  
Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

Conduit in combination with a pneumatic transport system including a lengthy conduit structure for conveying a pressurized stream of gas entrained particulates, the structure being subdivided into a plurality of long sections consecutively disposed in the direction of transport, each section being formed of a cylindrical wall defining a through passageway of uniform cross-sectional flow area, and wherein the cross-sectional flow area of the passageway of each succeeding section is greater than the cross-sectional flow area of the passageway of the preceding section, transition members interconnecting adjoining sections, each transition member being formed of a wall of frusto-conical configuration defining a through passageway of uniformly increasing cross-sectional flow area in the direction of transport, the transition member being seal weld-united to said adjoining sections.

Comp. Specn. 11 Pages.

Drg. 2 Sheets.

CLASS 107G.

148225.

Int. Cl.-F02b 57/04, 59/00, F-16j 9/08.

LIGHT METAL PISTONS.

Applicant: HEPWORTH & GRANDAGE LIMITED,  
OF ST. JOHN'S WORKS, B RADFORD BD4 8TU,  
GREAT BRITAIN.

Inventor: FREDERICK EDWARD COCKCROFT.

Application No. 1115/Cal/77 filed July 20, 1977.

Convention date July 24, 1976/(30948/76) U.K.

Appropriate office for opposition Proceedings (Rule 4,  
Patents Rules, 1972) Patent Office, Calcutta.

28 Claims.

A light metal piston for a combustion engine or a compressor having a crown comprising an annular band in which piston ring grooves are formed, a skirt around the opposing thrust faces of the piston in a manner to provide with the crown a closed internal cavity, gudgeon pin bosses having bores opening into said cavity and two expansion control inserts made of a material of lower coefficient of thermal expansion than the light metal the inserts separating the light metal of the piston skirt from that of the annular band around the opposite thrust faces of the

piston by breaking into a piston ring groove, and the inserts being substantially symmetrically disposed on each side of the thrust axis of the piston, the free ends of an insert being disposed on the same side of the gudgeon pin axis as one another.

Comp. Specn. 15 Pages.

Drg. 8 Sheets

CLASS 31 A.

148226.

Int. Cl.-C23b 9/02.

IMPROVED PROCESS FOR THE PRODUCTION OF DIELECTRIC OXIDE FILM COATED ETCHED ALUMINIUM FOIL FOR USE AS ANODE IN HIGH VOLTAGE ELECTROLYTIC CAPACITOR.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA.

Inventors: SHRI BALKUNJE ANANTHA SEENOI, SHRI KANDADAI RAJAGOPALACHARI NARASIMHAN, SRI VENKATASUBRAMANIAN LAKSHMINARASIMHAN, SRI DEVRAJ KANAGARAJ AND SRI ANGUSAMY PERUMAL.

Application No. 187/Del/77 filed August 10, 1977.

Complete Specification left November 9, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims. No Drawings.

Improved process for the production of dielectric oxide film coated etched aluminium foil for use as anodes in high voltage aluminium electrolytic capacitor comprising forming preboiled etched aluminium foil, stripping the excess hydrous oxide film and reforming the oxide layer in sodium benzoate electrolyte characterised in that the stripping of the coated oxide film on the foil is carried out in a solution containing phosphoric acid and acetic acid, nitric acid or boric acid in a ratio to effect the stripping and the reforming is carried out in boric acid at 80° to 90°C.

Prov. Specn. 5 Pages. Comp. Specn. 7 Pages. Drgs. Nil.  
148227.

CLASS 158F.

Int. Cl.-B61f 7/00.

A BOGIE FOR DIFFERENT INTER-TRACK SPACINGS.

Applicant: SO "BULGARSKI DARJAVNI JELEZNICI" OF 3, IV. VAZOV STREET, SOFIA, BULGARIA.

Inventor: NIKOLA MARTINOV GAYDAROV.

Application No. 1377/Cal/77 filed September 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A bogie for different inter-track spacings with independent truck-wheels comprising two independent side-walls (3 and 3') each provided with a frame (15), said frames (15) comprising two truck-wheels (6) clamped over short axles and axle-bearings (7, 8) said truck-wheels (6) provided with bearing springs and a brake, while through a transverse rectangular window (14) of the frame (15) are passing: an overspring bar (9) with a central bearing (10) and lateral slides (11) as well as a parallel underspring distancing bar (13) passing beneath and with spring sets (12) located inbetween the bars, while the underspring distancing bar (13) has longitudinally grooved racks (19) meshed by means of their grooves (18) with teeth (16, 17) located in the rectangular windows (14), whereas the number of the grooves (18) and their corresponding pitch matches the track-spacings the bogie is intended for.

Comp. Specn. 14 Pages.

Drg. 3 Sheets.

CLASS 166B.

148228

Int. Cl.-B63b 21/52, 51/04, F21q 1/00.

IMPROVEMENTS IN OR RELATING TO FLARE BUOY.

Applicant: SINGLE BUOY MOORINGS INC., OF 12 RUE ABBE BOVET, 1701, FRIBOURG, SWITZERLAND.

Inventor: LOUIS H. M. SMULDERS.

Application No. 1417/Cal/77 filed September 20, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

In a flare buoy for burning of excess gas comprising a submerged buoyant body terminating upwardly in a flare conduit which is connected by means of a further conduit to a buoyant structure (e.g. tanker) anchored to the sea bottom; the improvement comprising at least one rigid arm interconnecting said flare buoy and buoyant structure, said arm being pivotally connected to said buoyant structure in a horizontally extending pivotal axis.

Comp. Specn. 8 Pages.

Drg. 1 Sheet.

CLASS 158E.

148229.

Int. Cl.-B61f 5/52.

A FRICTION MEMBER FOR USE IN THE BOLSTER POCKET OF A STABILIZED RAILROAD CAR TRUCK.

Applicant: STANDARD CAR TRUCK COMPANY, OF 332 SOUTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60604, UNITED STATES OF AMERICA.

Inventor: ROBERT LEE BULLOCK.

Application No. 1671/Cal/77 filed December 1, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A friction member for use in the bolster pocket of a stabilized railroad car truck including a friction surface adapted to bear against a wear surface within the bolster pocket, said friction surface having a generally flat portion and an adjoining arcuate portion, said generally flat portion being tangent to said adjoining arcuate portion.

Comp. Specn. 9 Pages.

Drg. 1 Sheet.

CLASS 108C.

148230.

Int. Cl.-C21c 1/00.

IMPROVEMENTS IN OR RELATING TO OXYGEN LANCING DEVICE.

Applicant SMT. RINA BALA, OF 15/3B, NASKAR-PARA LANE, CALCUTTA-31, WEST BENGAL, INDIA.

Inventor: DIPAK KUMAR BALA.

Application No. 1689/Cal/77 filed December 5, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

An accessory or a device for lancing oxygen or gas in a heated environment of a furnace or a converter which comprises a number of nozzles formed of electrolytic copper or metals of refractory nature where the discharging ends remain interconnected by metal forming process without any welding.

Comp. Specn. 5 Pages.

Drg. 2 Sheets.

CLASS 56B.

148231.

Int. Cl.-C10g 13/02.

HYDROGEN-PRODUCING HYDROCARBON CONVERSION WITH GRAVITY-FLOWING CATALYST PARTICLES.

Applicant : UOP INC., AT TEN UOP PLAZA-ALGONQUIN AND MT. PROSPECT ROADS, DES PLAINES, ILLINOIS, U.S.A.

Inventor : ARTHUR RAYMOND GREENWOOD.

Application No. 27/Del/78 filed January 12, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 6 Claims.

A multiple-stage process for catalytically reforming a hydrocarbon charge stock which comprises the steps of :

(a) at least periodically introducing fresh, or regenerated catalyst particles into the upper end of a first reaction zone, through which catalyst particles are movable via gravity-flow, at least periodically withdrawing deactivated catalyst particles from the lower end of said first reaction zone and reacting said charge stock, in the absence of added hydrogen, in said first zone at catalytic reforming conditions;

(b) at least periodically introducing fresh or regenerated catalyst particles into the upper end of a stacked reactor system containing a plurality of reaction zones having a common vertical axis and through which catalyst particles are movable via gravity-flow, at least periodically withdrawing deactivated catalyst particles from the lower end of said system and introducing the reaction product effluent from said first reaction zone into the uppermost reaction zone in said stacked reactor system, and at catalytic reforming conditions;

(c) further reacting the resulting uppermost reaction product effluent, at catalytic reforming conditions, in a lower reaction zone in said stacked reactor system; and,

(d) recovering a manner known *per se* a normally liquid, catalytically reforming product from the effluent withdrawn from the lowest reaction zone in said stacked reactor system.

Comp. Specn. 19 Pages.

Drg. 1 Sheet.

CLASS 15C & D.

148232.

Int. Cl.-F16c 19/22, 39/04.

RADIAL PLAIN BEARING FOR A ROTATING SHAFT.

Applicant : KRAFTWERK UNION AKTIENGESELLSCHAFT 4330 MULHEIM (RUHR) WIESENSTR. 35, GERMAN FEDERAL REPUBLIC.

Inventors : RUDOLF GEMEIN, ERICH PESSEL.

Application No. 108/Cal/78 filed January 30, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 9 Claims.

A radial plain bearing for a rotating shaft in which the bearing comprising at least one pressure relief groove formed in an inner surface thereof, which is, in use, below said shaft, characterised in that the or each said groove being positioned eccentrically with respect to the longitudinal base line of the bearing such that it is offset therefrom, in use, in the direction of rotation of the shaft, and having means passing through the bearing for supply of oil under pressure thereto.

Comp. Specn. 8 Pages.

Drg. 2 Sheets.

CLASS 33F.

148233.

Int. Cl.-B22d 7/06.

MANUFACTURE OF INGOT MOLDS.

Applicant : USS ENGINEERS AND CONSULTANTS, INC., AT 600 GRANT STREET, PITTSBURGH, STATE PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventors : PAUL EUGENE HAMILL, JR. AND MACY WILLIAM VANCE.

Application No. 169/Del/78 filed March 6, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 9 Claims.

A method of manufacturing a cast iron ingot mold having a smooth, flat as-cast big-end surface, comprising placing an insulating board on a mold stool and casting the ingot mold in a sand mold having said insulating board incorporated into said sand mold, said board being smooth, flat, rigid and thermally insulating and providing the surface against which the big-end surface of the resulting ingot mold is formed.

Comp. Specn. 11 Pages.

Drg. 2 Sheets.

Class 35B+C

148234.

Int. Cl.-C04b 7/00, 31/00.

A METHOD OF MANUFACTURE OF CEMENT CLINKERS FROM WET RAW MATERIALS SLURRY AND A PLANT FOR THE SAME.

Applicants : THE ASSOCIATED CEMENT COMPANIES LIMITED EXPRESS TOWERS, 6TH FLOOR NARIMAN POINT BOMBAY-400 021. INDIA.

Inventor AUGUSTINE LUCK PASTALA.

Application No. 326/BOM/76 filed Sept. 20, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

#### 17 Claims

1. A method for the manufacture of cement clinkers from wet raw materials slurry comprising filtering a slurry of the raw materials in a conventional manner to obtain a raw meal cake having below 20% moisture, disintegrating the filter cake, in the presence of air, by the action of shearing and breaking up of the cake between two surfaces—one a curved stationary surface and the second a rotating surface impacting on said stationary surface, followed by drying and pulverising the disintegrated pieces wherein the drying is effected by passing the disintegrated pieces through a medium of hot gases like air during which drying further disintegration of the material also takes place and wherein the pulverisation is done by using a grinding media like grinding balls, both the said drying and pulverisation being done in a rotary drier-cum-pulverizer and in the presence of a current of hot air, whereafter the pulverized material is charged through cyclones to a reflex action for reflexing the material by the hot gases of a rotary kiln followed by further preheating the reflexed material in a preheater cyclone and then processing in a rotary kiln to form cement clinkers.

Complete specn. 16 pages.

Drawing 4 Sheets.

CLAIM 25B

148235.

Int. Cl. E 04 C 1/00+E 04 g 21/00.

"PROCESS OF PRECASTING BOX, CHANNEL, SHELL AND THE LIKE CONCRETE UNITS".

Applicant & Inventor : PRITIPAL SINGH SAWHNEY, POLYTECHNIC CAMPUS, NANDED—431 602, MAHARASHTRA, INDIA.

Application No. 142/BOM/1977 filed April 15, 1977.

Complete Specification left April 13, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

#### 2 Claims

A process of the precasting concrete units, with or without steel reinforcement, in or on a mould either true to the outer profile of the unit or true to the inner profile of the unit to be precast wherein finishing surface(s), filling the gap in the body of the unit or underneath, if so required so as to make the upper surface plain and finally throwing the concrete unit out of the mould on a plane surface or alternatively throwing the concrete unit out of the mould on a pre-prepared bed of sand which approximates to the outer

profile of the curvilinear or protruding unit, all being carried out in sequential operation.

Prov. Specn. 3 Pages. Comp. Specn. 5 Pages. Drawing—1 Sheet.

Class 172 C7+69

148236.

Int. Cl. D03 d 49/00.

IMPROVEMENT IN AND MODIFICATIONS RELATING TO TEXTILE PICKERS.

Applicant & Inventor : RAJENDRA TIKMANI 1, SANKARA BHARATI SOCIETY ANKUR ROAD NARANPURA AHMEDABAD-380 013 (Gujarat State) India.

Application No. 43/BOM/79 filed February 13, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

#### 4 Claims

1. A picker of the type described characterised in that a boss 2 is provided in the middle across the depth of the picker, at top face thereof, an opening 3 being formed in the side of the boss 2 which is in a plane 90° to the plane of front face of the picker and a slot 4 communicating with said opening 3 formed in the top face of the boss 2.

Complete specification 6 pages drawing 1 sheet.

CLASS 132C & 136C & E.

148237.

Int. Cl.-B01f 7/00, 13/00, B29b 1/10, B29h 1/10.

A CONTINUOUS OPERATING MIXING APPARATUS PROVIDED WITH TRANSFERMIX GEOMETRY.

Applicant : FRENKEL C-D AKTIENGESELLSCHAFT, OF VADUZ, LIECHTENSTEIN.

Inventor : PAUL MEYER.

Application No. 1021/Cal/77 filed July 6, 1977.

Convention date July 14, 1976 (29328/76) U.K.

Convention date June 15, 1977 (25013/77) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 15 Claims.

A continuous mixer comprising at least one mixing zone formed by a Transfermix geometry as hereinbefore defined in which the number of starts of the helical thread changes for each of the two components (one with internal operating surface and one with external operating surface) along the length of said mixing zone in the opposite sense to the change of the cross-sectional area of helical grooves, whereby when in operation a medium moves along said mixing zone, portions thereof are successively transferred between the grooves of facing helical threads and whereby grooves of larger cross-sectional area are of greater widths than grooves of small cross-sectional area.

Comp. Specn. 25 Pages.

Drg. 2 Sheets.

CLASS 157D.

148238.

Int. Cl.-E01b 3/28, 3/44.

RAILWAY SLEEPER.

Applicant & Inventor : JURGEN FRENZEL, OF ALTER SONNENBERGWEG 7, 3222 FREDEN (LEINE), WEST GERMANY.

Application No. 57/Del/78 filed January 20, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Delhi Branch.

#### 13 Claims.

Railway sleeper of concrete or steel, characterised in that the sleeper is constructed as a uniformly rigidly workpiece with a three-point support for the railtrack, that it is substantially of Y configuration and the sleeper ends extend rectilinearly parallel with each other.

Comp. Specn. 8 Pages.

Drg. 1 Sheet.

CLASS 29A & 67C.

148239.

Int. Cl.-G06f 15/00.

DATA PROCESSING SYSTEMS.

Applicant : FERRANTI LIMITED, OF HOLLINWOOD, LANCASHIRE, ENGLAND.

Inventors : WILLIAM BLUE, GEORGE IAN COPLAND BRUCE AND STEPHEN EDWARD COWLES.

Application No. 136/Del/78 filed February 20, 1978.

Convention date February 21, 1977/(07279/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 9 Claims.

A data processing system for planning routes from information carried on a chart, which includes plotting means for deriving signals indicating the position on the chart of each of a number of selected points on a route, input means for deriving further signals defining known parameters relating to a vehicle intended to traverse the route, calculating means responsive to said signals and to said further signals to calculate predetermined variable factors relating to the route between the selected points, and means for providing a record of said variable factors for use when the vehicle follows said route.

Comp. Specn. 8 Pages.

Drg. 2 Sheets.

CLASS 13A & C. & 185C.

148240.

Int. Cl.-B31b 49/04, B65b 1/00.

WATER PERVIOUS SHEET MATERIAL SUITABLE FOR MANUFACTURE OF TEA BAGS, PROCESS FOR PREPARING THE SAME AND TEA BAGS PREPARED THEREFROM.

Applicant : UNILEVER LIMITED, OF UNILEVER HOUSE, BLACKFRIARS, LONDON EC4, ENGLAND.

Inventor : SIDNEY PENDLINGTON.

Application No. 420/Cal/78 filed April 18, 1978.

Convention date April 22, 1977/(16824/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 19 Claims. No Drawings.

Water-pervious sheet material as herein described capable of having an acid reaction on contact with water, said sheet material having been impregnated with an edible acidic material in an amount from 0.03 to 0.5 mg/sq. cm.

Comp. Specn. 12 Pages.

Drg. Nil.

CLASS 32.F.I

148241.

Int. Cl. C07c.49/68.

PROCESS FOR THE PREPARATION OF 1-AMINO-4-BROMOANTHRAQUINONE-2-SULPHONIC ACID AND ITS ALKALI METAL SALTS.

Applicants : BAYER AKTIENGESELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : Heinrich Leister, Rolf Muders, Helmut Dittmer, Hubert Schönhagen.

Application No. 591/Del/78 filed on August 10, 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 8 Claims—No Drawings

Process for the preparation of 1-amino-4-bromo-anthraquinone-2-sulphonic acid and its alkali metal salts from 1-amino-anthraquinone, characterised in that 1-amino-anthraquinone is heated to temperatures in the range from 100 to 150°C with SO<sub>3</sub>-containing sulphuric acid, alkali metal sulphates being added if necessary and the mixture is then treated with at least 0.5 molar equivalent of bromine, relative to 1 mol of 1-amino-anthraquinone, at temperatures in the range from 60-100°C.

Complete Specification 14 pages.

## OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by Council of Scientific and Industrial Research to the grant of a patent on application No. 147661 made by Rohit Harishchandra Parikh.

(2)

An opposition has been entered by N. P. Kinariwala Private Limited to the grant of a patent on application No. 147661 made by Rohit Harishchandra Parikh.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-

Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

142499 142504 142505 142506 142507 142508 142509 142511  
142512 142514 142517 142521 142522 142524 142526 142528  
142531 142533 142534 142537 142538 142539 142541 142545  
142546 142551 142553.

(2)

147302 147304 147305 147306 147307 147308 147309 147310  
147311 147313 147314 147315 147316 147317 147318.

(3)

140017 140030 140038 140040.

## PATENTS SEALED

143532 144078 145581 145638 145700 145710 146251 146296  
146743 146856 146975 146990 147026 147059 147060 147113  
147128 147161 147173 147185 147377.

## AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by Sicowa Silikat Consulting Wankum GmbH & Co. KG., in respect of patent application No. 145240 as advertised in Part III, Section 2 of the Gazette of India dated the 1st December, 1979 have been allowed.

## COMMERCIAL WORKING OF PATENTED INVENTIONS

## CHEMICAL LIST NO. 1

The following patents in the field of Chemical Engineering Industry are not being commercially worked in India as admitted by the patentees in the statement filed by them under Section 146(2) of Patents Act, 1970 in respect of Calendar Year 1979 generally on account of want of requests for licences to work the patented inventions.

Persons who are interested to work the said patents commercially may contact the patentees for the grant of a licence for the purpose.

S. No.	Patent No.	Date of Patent	Name and address of the Patentee	Title
1	2	3	4	5
1.	96655	23-11-1964	Monsanto Company, 800 North Lindbergh, Boulevard, St. Louis, Missouri-63166, U.S.A.	Process for making monomeric aromatic azoalkene compound so obtained and herbicidal composition containing same.
2.	96816	02-12-1964	Do.	Herbicidal compositions containing haloacetanilides.
3.	98241	02-03-1965	Do.	Herbicidal N-formyl $\alpha$ -haloacetanilides.
4.	101756	27-09-1965	INSTITUT FRANCAIS DU PETROLE, DES CARBURANTS ET LUBRIFIANTS, 1 et 4, Avenue de Bois-Preau, Rueil Malmaison, (Seine et Oise), France.	Dvice for carrying out underwater explosions.
5.	103331	06-01-1965	WESTERN TITANIUM N. L. 100 Collins Street, Melbourne, in the State of Victoria, Commonwealth of Australia.	Treatment of a Heavy mineral concentrate for the purpose of removing surface staining.
6.	103534	20-01-1966	INSTITUTE FRANCAIS DU PETROLE DES CARBURANTS ET LUBRIFIANTS, 1 et 4, Avenue de Bois-Preau, Rueil Malmaison (Mauts de Seine) France.	Producing of close mixtures of several non-miscible liquid states.
7.	103733	02-02-1966	INSTITUTE FRANCAIS DU PETROLE DES CARBURANTS ET LUBRIFIANTS, 1 et 4, Avenue de Bois-Preau, Rueil-Malmaison (Seine-et-oise), France.	Catalytic hydrogenation of diolefins.
8.	103735	02-02-1966	Do.	Apparatus for firing explosive charges under water.
9.	103736	02-02-1966	Do.	Conversion or refining of hydrocarbons catalyst therefor and Process for preparing the same.

1	2	3	4	5
10.	106958	06-09-1966	INSTITUT FRANCAIS DU PETROLE, DES CARBURANTS ET LUBRIFIANTS, 1 & 4, Avenue de Bois-Preau, 92 Rueil Malmaison (Hauts de Seine), France.	Producing Naphthalene hydrocarbons by hydrogenation of the corresponding aromatic hydrocarbons.
11.	107335	04-10-1966	Do.	Selective hydrogenation of hydrocarbon mixtures.
12.	107926	10-11-1966	Do.	Reactivation of hydrogenation catalyst.
13.	108370	09-12-1966	MONSANTO COMPANY, 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	Purification of olefinically unsaturated nitriles and apparatus therefor.
14.	109119	31-01-1967	Do.	$\alpha$ -Chloroacetamides and phytotoxic composition.
15.	109394	20-02-1967	N. V. PHILIPS' GLOEILAMPENFABRIKEN, Emmasingel, Eindhoven, Netherlands.	Photosensitive Lacquer and the use of this lacquer in manufacturing picture screens for cathode-ray tubes.
16.	109971	30-03-1966	NORRIS FILTERS LIMITED, Burrell Road, Haywards, Heath, Sussex RH 16 1TN, England.	Filter units for fluids and filter packs containing such filter units.
17.	110430	29-04-1966	(1) COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, 314 Albert Street, East Melbourne, in the State of Victoria, Commonwealth of Australia. (2) WESTERN TITANIUM N. L. 100 Collins Street, Melbourne, in the State of Victoria, Commonwealth of Australia.	Preparation of anosovite from Titaniferous minerals.
18.	111173	20-06-1967	INSTITUT FRANCAIS DU PETROLE, DES CARBURANTS ET LUBRIFIANTS, 1 & 4, Avenue de Bois-Preau, 92, Rueil Malmaison (Hauts de Seine) France.	Oxidising saturated hydrocarbons and apparatus therefor.
19.	112177	30-08-1967	MONSANTO COMPANY, 800 North Lindbergh Boulevard, St. Louis, Missouri-63166, U.S.A.	Composition for increasing the sugar content of sugar-cane.
20.	112592	30-09-1967	IDEMIT SU KOSAN CO. LTD., 12, 3-Chome Marunouchi, Chiyoda-Ku, Tokyo, Japan.	Producing polycyclics.
21.	113209	17-11-1967	BOEHRINGER INGELHEIM GmbH, 6507, Ingelheim am Rhein, West Germany.	Preparation of thionophosphates and thionophosphonates the compounds so prepared and pesticidal agents containing them.
22.	113286	22-11-1967	MONSANTO COMPANY, 800, North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	Process for forming objects from a low viscosity melt.
23.	113493	08-12-1966	F. L. SMIDTH AND CO., 77, Vigerslev Alle, Copenhagen-Valby, Denmark.	Production of ultra fine cement.
24.	114741	26-05-1966	MONSANTO COMPANY, 800 North Lindbergh Boulevard, St. Louis, Missouri 63166 U.S.A.	Novel Sulfonamide compounds.
25.	115115	23-03-1968	INSTITUT FRANCAIS DU PETROLE, DES CARBURANTS ET LUBRIFIANTS, 1 & 4, Avenue de Bois-Preau, 92, Rueil Malmaison, France.	Hydrogenating benzene.
26.	115300	05-04-1968	MONSANTO COMPANY, 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	Carboxylic acids and esters.
27.	115369	12-06-1967	HALDOR FREDERICK AXEL TOPSOE, Frydenlandsvej Trorød Pr. Vedback Denmark.	Nickel iron or cobalt containing catalysts.
28.	115800	07-05-1968	SNAMPROGETTI S. P. A., 16, Corso Venezia, Milan, Italy.	Production of Urea.
29.	116096	27-05-1968	THE BATTELLE DEVELOPMENT CORPORATION, 505, King Avenue, Columbus, Ohio-43201, U.S.A.	Making high-density sintered metal.
30.	116395	23-06-1967	AKTIESELSKABET DANSK SVØVLOVRE-OG SUPERPHOSPHAT-FABRIK, 15, Amaliegade, Copenhagen, Denmark.	Fertilizer production.

1	2	3	4	5
31.	116432	19-06-1968	KAO SOAP CO. LIMITED, 5, 1-Banchi, 2-Chome, Nihonbashi, Chuo-ku, Tokyo, Japan.	Sulphonating and sulphating method.
32.	116552	28-06-1968	SNAMPROGETTI S.P.A., 16, Corso Venezia Milan, Italy.	Production of Urea.
33.	116611	02-07-1968	SUMITOMO ELECTRIC INDUSTRIES LTD., No. 15, Kitahama, 5-Chome, Higashi-ku, Osaka, Japan.	An insulating varnish.
34.	116968	27-07-1968	SNAMPROGETTI S.P.A., 16, Corso Venezia, Milan, Italy.	Production of Urea having low carbonate content.
35.	117212	14-06-1968	TOYO ENGINEERING CORPORATION, 5, 3-Chome, Nihonbashi, Honcho, Chuo-ku, Tokyo, Japan.	Method of preventing loss of reactants in the pressurised synthesis loop.
36.	117368	31-08-1967	MIDLAND SILICONS LIMITED, Reading Bridge House, Reading Berkshire, England.	Production of cross-linkable and cross linked organic polymers.
37.	118268	24-10-1968	INSTITUT FRANCAIS DU PETROLE, DES CARBURANTS ET LUBRIFIANTS, 1 et 4, Avenue de Bois-Preau, 92 Rueil Malmaison (Hauts de seine), France.	Process for treating petroleum cuts.
38.	118463	07-11-1968	KAMYR AKTIEBOLAG, Fack, S-651-15, Karlstad, Sweden.	Cellulose bleach tower with means for spreading a bleaching agent therein.
39.	118990	12-12-1968	MONSANTO COMPANY, 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	Preparation of mercaptans and sulphides.
40.	119109	20-06-1967	INSTITUT FRANCAIS DU PETROLE, DES CARBURANTS ET LUBRIFIANTS, 1 & 4, Avenue de Bois-Preau, 92, Rueil Malmaison (Hauts de seine), France.	Process for oxidising saturated hydrocarbons.
41.	119213	31-12-1968	KAMYR AKTIEBOLAG, Fack, S-651-15, Karlstad, Sweden.	A device in a standing cylindrical container adapted for axial feed flow through of a suspension of cellulosic fibre material for withdrawing part of the liquid of the suspension.
42.	119455	18-01-1969	TOYO ENGINEERING CORPORATION, 2-5, 3-Chome, Kasumigaseki, Chiyoda-ku, Tokyo, Japan.	Removing inert ingredients from ammonia or methanol pressure synthesising system.
43.	119801	11-02-1969	SNAMPROGETTI S.P.A., 16, Corso Venezia, Milan, Italy.	Catalytic hydrogenation of hydrocarbons for the production of high viscosity index lubricating oils.
44.	119830	13-02-1969	SUMITOMO CHEMICAL COMPANY LTD., No. 15, Kitahama 5-Chome, Higashiku, Osaka, Japan.	New reactive yellow monoazo dyes.
45.	120069	27-02-1978	F. L. SMIDTH AND CO., 77, Vigerslev Alle, Copenhagen-Valby, Denmark.	Manufacture of cement.
46.	120369	14-03-1969	MONSANTO COMPANY, 800, North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	Inhibiting premature vulcanisation of diene rubbers and diene rubber vulcanizable compositions.
47.	121329	14-05-1969	INSTITUT FRANCAIS DU PETROLE, DES CARBURANTS ET LUBRIFIANTS, 92, Rueil Malmaison, France.	Process for the production of protein by the cultivation of micro-organisms.
48.	121974	24-06-1969	SNAMPROGETTI S. P. A., 16, Corso Venezia, Milan, Italy.	Fibres containing enzymes, process for their preparation and their use in enzymatic reactions.
49.	122947	28-08-1969	DAIICHI SEIYAKU CO. LTD., No. 14-10, Nihonbashi, 3-Chome, Chuo-ku, Tokyo, Japan.	Comenic acid and derivatives thereof.
50.	123569	14-10-1969	(1) KUMIAI CHEMICAL AND IND. CO. LTD., No. 4-26, Ikenohata, 1-Chome, Taijo-ku, Tokyo, Japan. (2) MITSUI TOATSU CHEMICAL INC, Kasumigaseki Bldg., No. 2-5, Kasumigaseki, 3-Chome, Chiyoda-ku, Tokyo, Japan.	Mixed herbicide compositions.
51.	123598	16-10-1969	E. I. DU PONT DE NEMOURS AND CO., Wilmington, Delaware, U.S.A.	A permention separation apparatus for separating fluids and process for such separator.

1	2	3	4
52.	123808	30-10-1969	MONSANTO COMPANY, 800 North Lindbergh Boulevard St., Louis, Missouri 63166, U.S.A.
53.	123976	10-11-1969	THE BATTERLLE DEVELOPMENT CORPORATION 505, King Avenue, Columbus, Ohio-43201, U.S.A.
54.	124454	20-12-1968	MIDLAND SILICONS LIMITED, Reading Bridge House, Reading, Berkshire, England.
55.	124545	22-12-1969	SNAMPROGETTI S. P. A., 16, Corso Venezia, Milan, Italy.
56.	124663	05-04-1968	MONSANTO COMPANY, 800, North Lindbergh Boulevard, St. Louis, Missouri-63166, U.S.A.
57.	124675	02-01-1970	LANKRO CHEMICALS LIMITED, Emersion House, Albert Street, Eccles, Manchester M 300 LJ, England.
58.	124676	Do.	Do.
59.	124827	13-01-1970	MONSANTO COMPANY, 800 NORTH Lindbergh Boulevard, Missouri-63166, U.S.A.
60.	125177	06-02-1970	ISHIHARA SANGYO KAISHA LIMITED, No. 3-11, Edobori, 1-chome, Nishi-ku, Osaka, Japan.
61.	125186	07-02-1970	(1) TOYO ENGINEERING CORPORATION (2) MITSUI TOATS CHEMICALS INS. 5, 2-banchi, 3-chome Kasumigaseki, Chiyoda-ku, Tokyo, Japan.
62.	125587	04-03-1970	(1) TOYO ENGINEERING CORPORATION (2) MITSUI TOATSU CHEMICALS, Inc., 3-Chome, Kasu-kigaseki, Chiyoda-ku, Tokyo, Japan.
63.	125686	11-03-1970	HOECHST A. G., 45, Bruningstrasse, Frankfurt Main Federal Republic of Germany.
64.	125975	30-03-1970	UOP INC., No. 30 Algonquin, Des Plaines, Illinois, U.S.A.
65.	125984	28-05-1969	HALDOR FREDERICK AXEL TOP-SOE, Frydenlundsvej Vedback, Denmark.
66.	125988	30-03-1970	MONSANTO COMPANY, 800-North Lindbergh Boulevard, Missouri-63166, U.S.A.
67.	125991	30-03-1970	SPAMPROGETTI S. P. A., 16, Corso Venezia, Milan, Italy.
68.	126095	07-04-1970	NIPPON KOKAN KABUSHIKI KAISHA, 1-3, 1-Chome, otemachi, Chiyoda-ku, Tokyo, Japan.
69.	126193	14-04-1970	DEGUSSA, Weissfauenstrasse, Frankfurt, (Main), Federal Republic of Germany.
70.	126215	16-04-1970	BREVETEAM S. A., Chemin Riedle, 13, 1700, Fribourg, Switzerland.

1	2	3	4	5
71.	126267	20-04-1970	SOCIETE POUR LA RECHERCHE ET LA DEVELOPMENT TECHNOLOGIQUES, S.A. Rue Cesar Soulie 5, 1260, Nyon, Switzerland.	Moulding apparatus and method for the production of a continuous moulded plastic strip having thereon up-standing hooklike members.
72.	126402	28-04-1970	HOECHST A. G., 45, Bruningstrasse, Frankfurt, Main F.R.G.	Process for dyeing mixtures of cellulose and cellulose-2-1/2 acetate fibres or of cellulose and cellulose triacetate fibres or of cellulose and polyatrylonitrile fibres.
73.	126512	05-05-1970	LANKRO CHEMICALS LIMITED, Emerson House, Albert Street, Eccles, Manchester M 30 0LJ, England.	Stabilizer composition for asbestos-filled polypropylene polymers.
74.	126568	08-05-1970	Do.	Preparing organotin thio-carboxylates.
75.	126626	12-05-1970	AMERICAN CYANAMID CO., Wayne, New Jersey, U.S.A.	Absorbable polyglycolic acid filaments useful as suture of enhanced in vivo strength retention, and method and apparatus for preparing same.
76.	126800	25-05-1970	SNAMPROGETTI S. P. A., 16, Corso Venezia, Milan, Italy.	Pellets of Urea having a low biuret content.
77.	126857	28-05-1970	THE BATTELLE PREVELOPMENT CORPORATION, 505-King Avenue, Columbus, Ohio, 43201, U.S.A.	Making high density entered material objects by slip casting.
78.	126871	30-05-1970	HINDUSTAN LEVER LIMITED, Hindustan Lever House, 165/166, Backbay-Reclamation, Bombay-400020.	A toilet bar containing a polyethylene oxide quaternary ammonium compound.
79.	126882	01-06-1970	AMERICAN CYANAMID CO., Township of Wayne, State Laws of New Jersey, USA.	Storage stable package for absorbable polyglycolic acid sutures, and process for preparing same.
80.	126902	02-06-1970	HOECHST A. G., 45, Bauning strasse, Frankfurt/Main, F.R.G.	Water-soluble monoazo dyestuffs, Process dyeing, printing or colouring textile materials using said dyestuffs and textile materials so dyed coloured or printed.
81.	127033	11-06-1970	CIMENTS LAFARGE, 28, Rue Emile, Menier, Paris-XVI, Seine, France.	Production of superwhite cement.
82.	127104	16-06-1970	ETHICON INC., Somerville, New Jersey, U.S.A.	Polypropylene non-absorbable suture.
83.	127352	01-07-1970	UNION CARBIDE CORPORATION 270 Park Avenue, New York, State of New York, U.S.A.	Biochemical oxidation with low sludge recycle.
84.	127353	01-07-1970	Do.	Bio-oxidation with low sludge yield.
85.	127354	01-07-1970	Do.	Staged oxygenation water containing water bio-chemically active oxidisable material.
86.	127355	01-07-1970	Do.	Treating water containing bio-chemically oxidisable material.
87.	127399	04-07-1970	TENCO-BROOKE BOND LIMITED, 35 and 34, Cannon Street, London, EC-4, England.	Process for enzymatic solubilization tea cream.
88.	127492	10-07-1970	VAKUUM VULK HOLDINGS LTD., 360 Queen Street, Nassau/Bahamas.	Vulcanization of pre-vulcanized treads or rings with normal or higher profiles.
89.	127512	13-07-1970	UNITED KINGDOM ATOMIC ENERGY AUTHORITY, London, England.	Producing a membrane assembly.
90.	127513	13-07-1970	UNITED KINGDOM ATOMIC ENERGY AUTHORITY, London, England.	Reverse osmosis membrane assemblies.
91.	127626	20-07-1970	SNAMPROGETTI S. P. A., 16, Corso Venezia, Milan, Italy.	Extraction of aromatic hydrocarbon.
92.	127646	21-07-1970	SNAMPROGETTI S. P. A., 16 Corso Venezia, Milan, Italy.	Separation of conjugated diclefins from mixtures.
93.	127658	22-07-1970	Do.	Extraction of aromatic hydrocarbon from mixtures of aromatic and aliphatic hydrocarbons.
94.	127725	27-07-1970	ROHM AND HASS CO., Independence Mall, West Philadelphia, Pennsylvania, U.S.A.	Preparing a resin having cross linked polymeric resin matrix.
95.	127752	28-07-1970	HOECHST A. G., 45, Bruning Strasse, Frankfurt/Main, F.R.G.	New water soluble monoazo dyestuffs, plastics and textile materials, printing ink an lacquers having said dyestuffs.
96.	127753	28-07-1970	Do.	Manufacture of copper containing monoazo dyestuffs.

**PATENTS DEEMED TO BE ENDORSED WITH  
THE WORDS "LICENCES OF RIGHT"**

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
140439 (28.07.75)	Process of manufacture of cinnolin-3-Yl-carboxylic acids.
140661 (21.05.74)	A method for preparing pyrazolium salt.
140730 (24.03.75)	A method for the stabilization of 4-cyano-2, 2-dimethyl butyraldoxime methyl carbamate.
140749 (31-07-75)	Method for manufacture of phenyl methyl carbinol.
140780 (05.10.74)	Method for the hydrometallurgical recovery of nickel from a laterite nickel ore.
140841 (19.06.75)	Method and device for obtaining sugar crystals from a sugar solution.
140843 (13.08.75)	Process for preparing new rifamycin.
140925 (07.03.74)	Process for the preparation of 1, 2-diphenyl-ethane derivative.
140935 (26.06.73)	A process for the production of aromatic sulphone levelling agent.
140940 (14.02.74)	An autoclave and process for bulk preparation of vinyl chloride polymers.
140975 (19.06.75)	Process for the production of isocyanates.

**RENEWAL FEES PAID**

102700	107958	108253	108641	108901	110280	111576	112597
113120	113211	113381	113382	113402	113449	113541	113568
113805	114282	114519	118416	118451	118469	119056	119063
119075	119080	124008	124038	124240	124456	128470	128336
129383	129403	129428	129497	129531	129612	129757	130038
133527	133683	133717	133799	133928	133997	136101	137167
137348	137394	137426	137466	137467	137468	137484	137500
137504	138263	138391	139201	139231	139785	140115	140250
140949	141013	141058	141127	141181	141192	141211	141449
141586	141655	141724	141815	141905	142255	142256	142403
142420	142453	142493	142709	142737	142905	143170	143412
143413	143417	143543	143580	143767	143892	143957	143981
144009	144028	144033	144718	144826	144911	144927	145516
145582	145780	145902	145909	146292	146318	146587	146630
146671	146691	146697	146733	146766	146853	146859	146868
146929	146949	146963	146964	147082			

**REGISTRATION OF DESIGNS**

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class. 1. No. 149452. Matchless Industries of 70, Multiwara, Meerut (U.P.), India, Indian Sole Proprietorship Concern. "Scissors". April 14, 1980.
Class. 1. No. 149453. Matchless Industries of 70, Multiwara, Meerut (U.P.), India, Indian Sole Proprietorship Concern. "Scissors". April 14, 1980.
Class. 4. No. 149817. Bengal Fancy Products of 12, Bibi Bagan Lane, Calcutta-700015, West Bengal, Indian Proprietary Firm. "Mirror". August 21, 1980.
Class. 4. No. 149818. Bengal Fancy Products of 12, Bibi Bagan Lane, Calcutta-700015, West Bengal,

Indian Proprietary Firm. "Mirror". August 21, 1980.

Class. 4. No. 149819. Bengal Fancy Products of 12, Bibi Bagan Lane, Calcutta-700015, West Bengal, Indian Proprietary Firm. "Mirror". August 21, 1980.

Class. 4. No. 149820. Bengal Fancy Products of 12, Bibi Bagan Lane, Calcutta-700015, West Bengal, Indian Proprietary Firm. "Mirror". August 21, 1980.

Class. 4. No. 149821. Bengal Fancy Products of 12, Bibi Bagan Lane, Calcutta-700015, West Bengal, Indian Proprietary Firm. "Mirror". August 21, 1980.

Class. 4. No. 149822. Bengal Fancy Products of 12, Bibi Bagan Lane, Calcutta-700015, West Bengal, Indian Proprietary Firm. "Mirror". August 21, 1980.

Class. 4. No. 149823. Bengal Fancy Products of 12, Bibi Bagan Lane, Calcutta-700015, West Bengal, Indian Proprietary Firm. "Mirror". August 21, 1980.

Class. 4. No. 149824. Bengal Fancy Products of 12, Bibi Bagan Lane, Calcutta-700015, West Bengal, Indian Proprietary Firm. "Mirror". August 21, 1980.

Class. 4. No. 149825. Bengal Fancy Products of 12, Bibi Bagan Lane, Calcutta-700015, West Bengal, Indian Proprietary Firm. "Mirror". August 21, 1980.

Class. 4. No. 149826. Bengal Fancy Products of 12, Bibi Bagan Lane, Calcutta-700015, West Bengal, Indian Proprietary Firm. "Mirror". August 21, 1980.

**Name Index of Applicants for Patents for the month  
of September, 1980 (Nos. 1000/Cal/80 to 1113/Cal/80,  
256 Bom/80 to 304/Bom/80, 169/Mas/80 to 180/Mas/80  
and 634/Del/80 to 710/Del/80).**

Name	Appln. No.
<b>A</b>	
A. H. Robins Company, Inc.	1092/Cal/80
A. M. A. Enterprises	280/Bom/80
Ahmedabad Manufacturing & Calico Printing Company Limited, The	272/Bom/80, 273/Bom/80.
Aktiengesellschaft FR. Mettler's Shone Maschinenfabrik	1056/Cal/80
Alfa-Laval Aktiebolag	1093/Cal/80
All India Institute of Medical Science	701/Del/80
Alsthom-Atlantique	690/Del/80
Amsted Industries Incorporated	1064/Cal/80
Atul Glass Industries (Pvt.) Ltd.	683/Del/80, 634/Del/80, 685/Del/80
<b>B</b>	
B. F. Goodrich Company, The	1012/Cal/80, 1013/Cal/80, 1111/Cal/80.
Babcock & Wilcox Company, The	1008/Cal/80
Barnes, A. C.	647/Del/80
Barnes, C. E.	647/Del/80
Bataille, J. R.	635/Del/80
Bataille, N. J. J.	615/Del/80
Bayer Aktiengesellschaft	648/Del/80, 673/Del/80.
Belanger, G.	257/Bom/80
Bell Maschinenfabrik AG.	665/Del/80
Beloit Corporation	1009/Cal/80

Name	Appln. No.	Name	Appln. No.
<b>B (Contd.)</b>		<b>G</b>	
Bharat Heavy Electricals Ltd.	700/Del/80	Gandhi, K. S.	1025/Cal/80, 1036/Cal/80, 1042/Cal/80, 1043/Cal/80.
Bombay Oil Industries Private Limited, The	275/Bom/80, 276/Bom/80.	Ganesan, S.	169/Mas/80
British Aerospace	1102/Cal/80	Geethaguru, V.	172/Mas/80, 173/Mas/80.
<b>C</b>		General Electric Company	1060/Cal/80
CKN Sankey Limited	649/Del/80	General Electric Company Limited, The	687/Del/80
Camphor & Allied Products Limited	256/Bom/80, 257/Bom/80, 258/Bom/80, 259/Bom/80, 268/Bom/80.	General Tyre & Rubber Company, The	695/Del/80
Central Fuel Research Institute	1022/Cal/80, 1023/Cal/80.	Glowne Biuro Studiow i Projektow Gornicznych	1006/Cal/80
Central Road Research Institute	641/Del/80	Gomez, A. A.	176/Mas/80
Centre De Recherches Metallurgiques— Centrum Voor Research in De Me- tallurgie	689/Del/80	Gould Inc.	1011/Cal/80
Charbonnages De France	1086/Cal/80	<b>H</b>	
Chicago Pneumatic Tool Company	1055/Cal/80	Hamworthy Engineering Limited	1090/Cal/80
Ciba-Geigy AG	1059/Cal/80, 686/Del/80.	Hanlet, J. M.	1021/Cal/80
Controle Et Decolletage	651/Del/80	Hansson, E. G.	689/Del/80
Council of Scientific & Industrial Re- search	661/Del/80, 662/Del/80, 663/Del/80, 669/Del/80, 670/Del/80, 671/Del/80, 672/Del/80, 675/Del/80.	Hardikar, S. M.	299/Bom/80
Cummins Engine Company, Inc.	1033/Cal/80	Hazra, S.	1034/Cal/80
<b>D</b>		Hermann Traub GMBH & Co.	1048/Cal/80
Dr. Eck & Co. AG.	640/Del/80	Hindustan Lever Limited	260/Bom/80, 277/Bom/80.
Eecs, S.	707/Del/80	Hoffman, L. B.	668/Del/80
Dannison Manufacturing Company	646/Del/80	Hylsa, S. A.	1007/Cal/80
Dhiman, G. R.	634/Del/80	<b>I</b>	
Dhiman, H. L.	624/Del/80	Imperial Chemical Industries Limited	694/Del/80, 719/Del/80.
Dhiman, N. D.	634/Del/80	Indian Jute Industries' Research Asso- ciation	1099/Cal/80
Director, All India Institute of Medical Science, The	701/Del/80	Institute of Gas Technology	1075/Cal/80
Doer-Oliver Incorporated	652/Del/80	Ireco Chemicals	1044/Cal/80
Edoas Simes, J. C.	1015/Cal/80	Ishizuka, H.	1069/Cal/80
Dunlop Limited	704/Del/80, 705/Del/80.	Iyer, P. R. G.	1069/Mas/80
Emcell International Inc.	288/Bom/80, 289/Bom/80, 290/Bom/80.	<b>J</b>	
Dutt, S.	707/Del/80	Jayaprakash, U. (Dr.)	171/Mas/80
Dynamit Nobel Aktiengesellschaft	1101/Cal/80	Jay Engineering Works Limited, The	1018/Cal/80
<b>E</b>		Jingado Pty. Ltd.	655/Del/80
E. I. Du Pont De Nemours and Com- pany	1020/Cal/80, 1112/Cal/80	Johnson, A.S. (Jr.)	1052/Cal/80, 1070/Cal/80.
Energiagazdalkodasi Intezet	1046/Cal/80	<b>K</b>	
English Electric Company Limited, The	706/Del/80	Kabel-Und Metallwerke Gutchhoffnungs- shutte Aktiengesellschaft	1035/Cal/80
Estel Hoesch Werke Aktiengesellschaft	1094/Cal/80	Kabra, G. K.	637/Del/80, 638/Del/80.
<b>F</b>		Kaine, M.	267/Bom/80
Fricseke & Hoepfner GmbH	703/Del/80	Kamarudin, M. A.	170/Mas/80
		Kher, R. N. (Mr.)	632/Del/80
		Kirloskar Oil Engines Limited	261/Bom/80
		Klein Schanzlin & Becker AG.	1098/Cal/80, 1104/Cal/80
		Klockner-Humboldt-Deutz Aktienges- ellschaft Deutz-Mulheimer-Str.	681/Del/80
		Kobe Steel, Ltd.	1078/Cal/80
		<b>L</b>	
		Larsen & Toubro Limited	269/Bom/80, 270/Bom/80, 271/Bom/80.
		Laxmichand, B.	264/Bom/80.
		Liladhar, B.	264/Bom/80

Name	Appln. No.	Name	Appln. No.
<b>L (Contd.)</b>		<b>P (Contd.)</b>	
Liladhar, G. . . . .	264/Bom/80	Pinto, J. C. . . . .	282/Bom/80
Liladhar, L. . . . .	264/Bom/80	Prudential Research Corporation . . . . .	657/Del/80, 658/Del/80, 659/Del/80, 660/Del/80.
Lindauer Dornier Gesellschaft MBH . . . . .	636/Del/80	Pulp and Paper Research Institute . . . . .	1017/Cal/80
Lodge-Cottrell Limited . . . . .	693/Del/80		
Lubrizol Corporation, The . . . . .	1076/Cal/80		
Lucas Industries Limited . . . . .	1067/Cal/80, 1074/Cal/80.		
<b>M</b>		<b>R</b>	
Magnesium Elektron Limited . . . . .	1068/Cal/80	RCA Corporation . . . . .	1082/Cal/80
Mahindra Electro-Chemical Products Limited . . . . .	297/Bom/80	Raju, M.V.S.N.S. . . . .	177/Mas/80
Malshe, S. D. . . . .	304/Bom/80	Ram, G. M. . . . .	279/Bom/80
Mandani, H. S. . . . .	274/Bom/80	Rao, B. N. S. . . . .	180/Mas/80
Marathe, R. B. . . . .	283/Bom/80	Ravindera . . . . .	656/Del/80
Maschinenfabrik Rietter AG . . . . .	1027/Cal/80, 1050/Cal/80, 1051/Cal/80, 1052/Cal/80, 1053/Cal/80, 1096/Cal/80, 1096/Cal/80.	Registrar, University of Roorkee, The . . . . .	667/Del/80
Messey-Ferguson-Perkins Limited . . . . .	1002/Cal/80	Reim, P. . . . .	664/Del/80
Miles Laboratories, INC . . . . .	676/Del/80, 708/Del/80.	Reymont, B. . . . .	1039/Cal/80
Minnesota Mining and Manufacturing Company . . . . .	1045/Cal/80	Rohm and Haas Company . . . . .	688/Del/80
Mitsui Toatsu Chemicals, Incorporated . . . . .	1089/Cal/80	Rotork Controls Limited . . . . .	1097/Cal/80
Mobil Oil Corporation . . . . .	1084/Cal/80	Rup, G. S. . . . .	697/Del/80
Monsanto Company . . . . .	1108/Cal/80, 1109/Cal/80, 1110/Cal/80.	Ruti Machinery Works Ltd. . . . .	1029/Cal/80, 1030/Cal/80, 1031/Cal/80, 1079/Cal/80.
Montedison S.P.A. . . . .	1032/Cal/80		
<b>N</b>		<b>S</b>	
N. V. Bekaert S.A. . . . .	696/Del/80	Sahakari, V. D. . . . .	286/Bom/80, 287/Bom/80, 295/Bom/80,
N.V. Philips' Gloeilampenfabrieken . . . . .	1103/Cal/80	Sait, M. I. . . . .	169/Mas/80
Naidu, M. S. V. . . . .	300/Bom/80	Sandoz Ltd. . . . .	1077/Cal/80
National Engineering Research and Development Centre of Sri Lanka, The . . . . .	642/Del/80	Sankaran, K. . . . .	178/Mas/80
Nechi Societ. Per Azioni . . . . .	691/Del/80, 692/Del/80.	Sastry, M. L. N. . . . .	175/Mas/80
Nichhathai, P. I. . . . .	301/Bom/80	Satake Engineering Co., Ltd. . . . .	1066/Cal/80
Nihon Number Plate Kabushiki Kaisha . . . . .	666/Del/80	Schubert & Salzer Maschinenfabrik Aktiengesellschaft . . . . .	1057/Cal/80, 1063/Cal/80, 1088/Cal/80.
Nippon Chemiphar Co., Ltd. . . . .	1071/Cal/80	Schwabe, H. . . . .	1041/Cal/80
Novistar S. A. . . . .	709/Del/80	Searle (India) Limited . . . . .	262/Bom/80, 263/Bom/80.
<b>O</b>		Sen, K. . . . .	1081/Cal/80
Oak, P. (Prakash), A. . . . .	279/Bom/80	Sen, S. K. . . . .	1106/Cal/80
Oak, P. (Pramod), A. . . . .	279/Bom/80	Shell Internationale Research Maatschappij B. V. . . . .	1107/Cal/80, 677/Del/80.
Oronzio De Nora Impianti Elettrochimici S.p.A. . . . .	266/Bom/80	Shidham, V. B. (Dr.) . . . . .	296/Bom/80
<b>P</b>		Sid Richardson Carbon & Gasoline Co-Siemens Aktiengesellschaft . . . . .	1026/Cal/80, 1024/Cal/80, 1061/Cal/80, 1080/Cal/80.
Palitex Project-Company GMBH . . . . .	1100/Cal/80	Singh, A.M.P. (Dr.) . . . . .	303/Bom/80
Panchmatia, B. K. (Miss) . . . . .	284/Bom/80	Singhania, D. N. . . . .	43/Del/80, 44/Del/80, 45/Del/80.
Panikkar, M. . . . .	279/Bom/80	Skefko India Bering Company Limited . . . . .	265/Bom/80
Parikh, V. (Varsha), H. . . . .	285/Bom/80	Snamprogetti S.p.A. . . . .	1087/Cal/80
Parikh, V. (Vidut), H. . . . .	285/Bom/80	Societe Des Electrodes ET Refractaires Savoie (SERS) . . . . .	1105/Cal/80
Pavri, H. D. P. . . . .	1049/Cal/80	Solco Basel AG . . . . .	698/Del/80
Peico Electronics & Electricals Limited . . . . .	291/Bom/80	South Wales Switchgear Limited . . . . .	654/Del/80, 655/Del/80.
Pfizer Inc. . . . .	673/Del/80, 674/Del/80, 699/Del/80.	Sperry Corporation . . . . .	1002/Cal/80, 1003/Cal/80, 1004/Cal/80.

Name	Appln. No.
<b>S (Contd.)</b>	
Spindelfabrik Sussen, Schurr, Stahlecker & Grill GmbH	293/Bom/80
Sridhar, P. (Mrs.)	179/Mas/80
Sri Ram Institute for Industrial Research	702/Del/80
Srivastava, S. C.	1047/Ca1/80
Stauffer Chemical Company	1010/Ca1/80
Sterling Armament Company Limited	650/Del/80
Stone & Webster Engineering Corporation	1037/Ca1/80
Sun Oil Company	1113/Ca1/80
Swaminathan, S.	174/Mas/80
<b>T</b>	
Taranino, E. R. J.	1021/Ca1/80
Tata Engineering & Locomotive Company Limited	292/Bom/80
Teikoku Chemical Industry Co., Ltd.	1071/Ca1/80
Terrell Machine Company, The	1040/Ca1/80
Tetra Pak International AB	1091/Ca1/80
Texas Alkyls, Inc.	1085/Ca1/80
Textile & Allied Industries Research Organisation, The	294/Bom/80, 302/Bom/80
Ti Metsec Limited. (formerly Metal Sections Limited)	1028/Ca1/80
Toyo Engineering Corporation	1089/Ca1/80 679/Del/80

Name	Appln. No.
<b>T (Contd.)</b>	
Trutzschler GmbH & Co., KG	1073/Ca1/80, 1083/Ca1/80
<b>U</b>	
Uniroyal, Inc.	639/Del/80
Uhde GmbH	1972/Ca1/80
Union Carbide India Limited	1014/Ca1/80
Upjohn Company, The	1058/Ca1/80
<b>V</b>	
Vacuum Plant & Instruments Manufacturing Company Private Limited	298/Bom/80
Veekay Industries	278/Bom/80, 281/Bom/80
Velhi, O. J. C.	282/Bom/80
Voest-Alpine Aktiengesellschaft	1035/Ca1/80
<b>W</b>	
Warman International Limited	1016/Ca1/80
Westinghouse Electric Corporation	1054/Ca1/80
Wheelabrator-Frye Inc.	1019/Ca1/80
<b>X</b>	
Zerox Corporation	1038/Ca1/80
<b>Z</b>	
Yardney Electric Corporation	1000/Ca1/80, 1001/Ca1/80
<b>S. VEDARAMAN,</b>	
<b>CONTROLLER-GENERAL OF PATENTS,</b>	
<b>DESIGN AND TRADE MARKS.</b>	